

**U.S. ENVIRONMENTAL PROTECTION AGENCY  
INITIAL POLREP**

**DATE:** 12FEB04

**FROM:** Rick Jardine, PE, On-Scene Coordinator  
ERRB-Region 4

**TO:** Shane Hitchcock, Branch Chief  
Don Rigger, Section Chief  
USCG Funds Center  
KYDEP

**I. GENERAL SITE INFORMATION**

<b>FPN:</b>	E04408
<b>Site ID#</b>	Z4G5
<b>Site Name:</b>	Robinson Engineering Oil Spill
<b>Street Address:</b>	Wells Road
<b>City, County, State:</b>	Nortonville, KY
<b>Response Authority:</b>	OPA-90
<b>NPL Status:</b>	Non-NPL
<b>Incident Category:</b>	Emergency Response
<b>EPA OSC:</b>	Carter Williamson
<b>NRC Report #:</b>	713054
<b>Project Ceiling:</b>	\$5,000.00
<b>Date of Notification:</b>	12FEB04
<b>Date Action Started:</b>	11FEB04
<b>Pollutant:</b>	Crude Oil
<b>Quantity Discharged:</b>	3,700 gallons.

**II. BACKGROUND INFORMATION**

- A. Type of facility or Site:** Oil Production.
- B. Site description:** Failed 100-barrel crude oil storage tank released entire contents to secondary containment. Failure was due to rust out of tank bottom. Material breached secondary containment and flowed to nearby private residential properties. Oil saturated lawns and threatened waters of the US, i.e a marshy area leading to Drake Creek .

**III. RESPONSE INFORMATION**

- A. Actions Taken:** KY DEP SOSC Berry intercepted flow of oil to the waterway by constructing a field dam along the flow path. The RP relocated the affected residents due to fumes inside their homes. Also the RP response contractor installed recovery trenches in the saturated area to assist the extraction of oil via vacuum truck. OSC Carter

Williamson monitoring activity.

**B. Future Actions:** Recovery operations to continue until threat mitigated.

**IV ESTIMATED COSTS TO DATE**

EPA	\$1,000
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**U.S. ENVIRONMENTAL PROTECTION AGENCY  
FINAL POLREP**

**DATE:** June 3, 2004

**SUBJECT:** Robinson Engineering Crude Oil Spill  
Nortonville, Hopkins County, Kentucky

**FROM:** Carter Williamson, OSC  
US-EPA Region 4

**TO:** Shane Hitchcock, Branch Chief  
Don Rigger, Section Chief  
USCG Funds Center  
KYDEP

**A. GENERAL SITE INFORMATION**

<b>FPN:</b>	E04408
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<b>Date of Notification:</b>	12FEB04
<b>Date Action Started:</b>	11FEB04
<b>Pollutant:</b>	Crude Oil
<b>Quantity Discharged:</b>	3,700 gallons.

**II. BACKGROUND INFORMATION**

- A. Type of facility or Site:** Oil Production.
- B. Site description:** Failed 100-barrel crude oil storage tank released entire contents past secondary containment to adjacent property and nearby drainage ditches. Failure was due to rust out of tank bottom.

### **III. RESPONSE INFORMATION**

#### **A. Actions Taken:**

OSC Williamson departed at 2030 on February 10<sup>th</sup> and arrived on-scene at 0630 CST on February 11<sup>th</sup>. KYDEP briefed EPA on the incident status. At approximately 2100 hrs on February 10<sup>th</sup>, a 110 barrel crude oil tank breached and discharged approximately 90 barrels of crude oil onto the grounds surrounding the residence of Mr. Randy Duncan and several drainage ditches leading away from the site of the spill. Approximately 3,700 gallons of crude oil was released onto the Duncan property and adjacent drainage areas leading towards Wells Road. Likewise, the oil flowed along the roadway drainage ditches into a unnamed tributary leading to Pleasant Run Creek. Upon arrival to the scene, OSC Williamson met with the vice president of Robinson Engineering, Frank Lindsey and toured the removal activities underway by the firm, the removal equipment and personnel, containment dams in the drainage ditches, the free product oil collection and the extent of the impacted area. No fish or aquatic life impacts were observed in the unnamed tributary.

OSC Williamson also met with Mr. Randy Duncan and his wife (owners of the property affected by the spill), Brocton Oglesby, Hopkins County EMA, Neil Berry, KYDEP ERT, and Dane Keown, KYDEP Water Program. Shortly after arrival, OSC Williamson conducted an SPCC inspection and provided Mr. Lindsey with a Notice of Federal Interest. OSC Williamson explained EPA's role and requirements to Mr. Lindsey. EPA informed Mr. Lindsey that Robinson Engineering was responsible for conducting a timely cleanup of the crude oil. Mr. Lindsey indicated that he had recently been hired by Robinson Engineering and had never had a spill of this magnitude and did not have the requisite experience to address the incident. Hence, he was following the advice of a spill response supervisor employed by the firm.

Mr. Lindsey requested that EPA and the KYDEP provide advice and oversight to ensure the proper clean-up of the oil. He was unsure what the companies insurance covered and had to acquire approval from the president of the company to make any major decisions relating to the clean-up operation. Both EPA and KYDEP explained to Mr. Lindsey that he needed to aggressively address the clean-up and removal of the oil and to prevent the oil from impacting any water bodies by all practical means necessary. Mr. Lindsey was also instructed to rectify the situation whereas oil had seeped under the Duncan residence and saturated over 80% of their lawn and shrubbery.

OSC Williamson also requested the back-up assistance of OSC Art Smith and a START technician to conduct air monitoring of the Duncan residence. Analytical results collected during the initial air monitoring did not substantiate highly elevated levels of compounds associated with petroleum hydrocarbons/crude oil. The home was not being ventilated and the HVAC system was not functioning due to loss of power. The air space inside the home was permeated by the smell of oil, so samples were taken by KYDEP using SUMA canisters, before remediation of the crawl space was conducted.

The results indicated some slightly elevated concentrations of hydrocarbons. Prior to receipt of the SUMA cannister results, EPA instructed the responsible party (RP) to remove all oil debris and ventilate the crawl space to reduce any and all fumes entering the interior space of the home. In communications with Mrs. Duncan (the homeowner) several weeks after the incident, it was confirmed that the smell/fumes associated with the interior space had been alleviated due to the remedial actions taken by the RP.

On February 14th, OSC Williamson departed the scene, leaving KYDEP on-scene to continue oversight of the RP's cleanup. EPA remained in close contact with KYDEP and the RP over the next several days.

- B. Future Actions:** Robinson Engineering (through Mr. Frank Lindsey) has been instructed to remedy all remaining oil on the Duncan property and to ensure adequate containment/diking is installed in the event the breached tank is placed on-line again.

#### **IV ESTIMATED COSTS**

EPA	\$1,500 (travel/payroll)
KYDEP	\$5,000

Costs shown are based on information available at the time the report was prepared. These figures should not be used to support or dispute any legal action regarding this removal.

#### **V. DISPOSITION OF WASTE**

Approximately 8,000 to 12,000 gallons of commingled oil and water were placed into storage in empty crude oil tanks either owned or leased by Robinson Engineering. Soils excavated from the roadside ditches and Duncan yard were disposed of at DOZIT Landfill in Morganfield, Kentucky.

#### **VI. REMOVAL CONTACTS**

Carter Williamson, USEPA, Lead Federal OSC, 404-562-8742  
Neil Berry, KY DEP SOSC Emergency Responder, 270/824-7532  
Dane Keown, KYDEP, 270/824-7532  
Brocton Oglesby, Director, Hopkins County EMA, 270/821-5717  
Frank Lindsey, V.P., Robinson Engineering, 812/477-1575  
Randy Duncan, resident, 270/676-8454